AMENDMENTS TO THE CLAIMS

1.　(Currently amended)　A network connection apparatus using an internet phone, comprising :

an internet phone main unit usable as an ordinary telephone or an internet phone in accordance with an operation of a user;

a function extending unit for interfacing function packs performing an independent function respectively with a network CPU unit, wherein the function extending unit further comprises a CPU pack for operation as an independent PC, and wherein the CPU pack provides extended computational power; and

the network CPU unit for controlling an audio signal communicated through a PSTN and controlling a signal received from a network by controlling the internet phone main unit and function extending unit.

2.　(Previously amended) The network connection apparatus using the internet phone according to claim 1, wherein the internet phone main unit comprises :

a LCD module for displaying a telephone number and control information;

a keypad module for inputting a telephone number and information;

a codec module for modulating an audio signal inputted from outside;

a speaker module for inputting and outputting an audio; and

a transceiver module for communicating with the other person.

3.　(Previously amended) The network connection apparatus using the internet phone according to claim 1, wherein the network CPU unit comprises:

a network CPU module for controlling/executing a signal inputted/outputted from/to the PSTN or network;

a PSTN module for detecting a ring signal inputted from the PSTN, converting an analog audio signal inputted form outside into a digital signal (PCM), and transmitting it to the network CPU module;

a memory module for storing a file and an application code for executing a signal inputted to the network CPU unit;

a PCI module for arbitrating various devices installed to slots of the function extending unit and data; and

a USB module for making extension-connection with a peripheral device easily.

4.   (Previously amended) The network connection apparatus using the internet phone according to claim 3, wherein the memory module comprises:

a ROM unit for storing data for initializing a state of the network CPU module;

a RAM unit for storing an application program for executing data transmitted to the network CPU module; and

a cache unit for improving execution speed of the network CPU module and communication execution speed.

5.   (Previously amended) The network connection apparatus using the internet phone according to claim 3, wherein the network CPU module converts a signal inputted from the PSTN into a packet format, adapts a protocol corresponding to a pertinent IP phone, performs routing in data transmission, and controls/executes a signal related to each PCI pack.

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6.   (Previously amended) The network connection apparatus using the internet phone according to claim 3, wherein the PCI module directly inputs/outputs a packet to each function pack of the function extending unit, accordingly, allowing the PCI module to be both a master and a target at the same time.

7.   (Previously amended) The network connection apparatus using the internet phone according to claim 1, wherein the network CPU unit contacts to the network using a real-time operating system.

8.   (Previously amended) The network connection apparatus using the internet phone according to claim 1, wherein the function extending unit is constructed with a plurality of slots for inserting various function packs.

9.   (Currently amended) The network connection apparatus using the internet phone according to claim 1, wherein the function extending unit comprises :

a network interface pack for transmitting data inputted form an internet leased-line to the other function pack or the network CPU;

a wireless LAN pack for constructing a network with each terminal wirelessly;

an IEEE 1394 pack for connecting directly to a peripheral device having wide data transmission bandwidth;

a graphic-sound pack for displaying a graphic and an audio inputted from a communication cable or a network; and

an extension graphic-sound pack for decreasing load of a CPU for outputting a graphic/audio in execution of a higher graphic and sound program[[; and]].

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~~an additional CPU pack for performing a large scale program which is difficult to perform with the network CPU module~~.

10.   (Currently amended)   The network connection apparatus using the internet phone according to claim [[9]] 1, wherein the additional CPU pack ~~can operate as an independent PC, and~~ comprises <u>a clock driver, a ROM unit, a cache, a RAM unit, a system control unit, an AGP unit,</u> a power button for saving power and a reset button in preparation for correcting operation of a CPU.

11.   (Previously amended) The network connection apparatus using the internet phone according to claim 9, wherein the peripheral device connected to the IEEE 1304 pack is selected from a group consisting of a printer, a CD-ROM, a TV, a hard disk, and a DVD disk.

12.   (Original)   The network connection apparatus using the internet phone according to claim 9, wherein the function extending unit operates as a multifunction digital network unit.

13.   (Previously amended) The network connection apparatus using the internet phone according to claim 9, wherein the network connection apparatus using the internet phone has a miniaturized size combining common parts used in each function pack of the function extending unit into one unit.

14.   (Currently amended)   A network connection method using an internet phone, comprising:

        setting up a call when an audio signal is transmitted from outside through a PSTN/IP network;

sampling the transmitted analog audio signal with a PCM digital signal in the PSTN;

determining whether the call has a wired or wireless connection in accordance with an IP or a device address of the sampled PCM digital signal; and

transmitting the sampled PCM digital signal to an internet phone main unit when the call is from the wired connection or transmitting the sampled PCM digital signal to the PCI module when the call is from the wireless connection[[.]]; and

performing a hub function among communication channels interfacing function packs and connecting to the internet phone, wherein the hub function is performed by a function extending unit, and wherein the function extending unit comprises a CPU pack for operation as an independent PC

15.   (Previously amended) The network connection method using the internet phone according to claim 14, wherein transmitting the sampled PCM digital signal comprises the steps of:

converting the PCM digital signal transmitted to the PCI into an IP packet; and

transmitting the IP packet to an internet phone corresponding to a specified IP address through a wireless LAN pack.

16.   (Previously amended) The network connection method using the internet phone according to claim 15, wherein it is possible to communicate with each internet phone independently by routing of a network CPU unit when there are several internet phones and an independent IP address is allocated to the each internet phone in the transmitting step for transmitting the IP packet to the internet phone corresponding to the specified IP address.

17.   (Previously amended) The network connection method using the internet phone according to claim 14, wherein setting up the call further comprises inputting the audio signal transmitted through the IP network through a network interface pack in a packet format.

18.   (Currently amended) In a method for originating a call by using an internet phone, a network connection method using an internet phone, comprising:

pressing a certain keypad of a PSTN set as a default in a network CPU module by a user or selecting an internet phone in a menu on a LCD screen by a user;

inputting an IP address of the other party;

originating a call by setting up a VOIP-related protocol by the inputted IP address, and

selecting a function extending unit for interfacing function packs performing an independent function respectively with a network CPU unit, wherein the function extending unit comprises a CPU pack for operation as an independent PC.

19.   (Currently amended) A network connection method using an internet phone, comprising:

accessing the internet using a network CPU unit through a network interface pack when a user requests the internet contact; and

displaying data received at a network interface pack on a TV through a graphic-sound pack by using an execution program of the network CPU unit or listening to the data received with an audio unit, wherein displaying or listening comprises outputting all inputted/outputted signals to an additional CPU pack through a PCI bus through recognition of an additional CPU pack of a function extending unit as a destination IP address of an IP header by the network CPU unit when the bandwidth of the transmitted data is wide, and wherein the additional CPU pack is an independent PC.

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20.   (Cancelled)   ~~The network connection method using the internet phone according to claim 19, wherein displaying or listening comprises the step of:~~

~~outputting all inputted/outputted signals to an additional CPU pack through a PCI bus through recognition of an additional CPU pack of a function extending unit as a destination IP address of an IP header by the network CPU unit when the bandwidth of the transmitted data is wide.~~

21.   (Previously amended) The network connection method using the internet phone according to claim [[20]] 19, wherein the additional CPU pack passes all network functions to the network CPU unit and does not obtain an independent IP address or directly communicates with the network interface pack using an independent IP address according to an application program and a PCI protocol.